abcam

Product datasheet

Anti-NMDAR2A antibody ab169873

9 References 2 Images

Overview

Product name	Anti-NMDAR2A antibody
Description	Rabbit polyclonal to NMDAR2A
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, IP
Species reactivity	**Reacts with:** Mouse, Rat, Rabbit, Human
Immunogen	Fusion protein corresponding to Rat NMDAR2A (C terminal).
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.50 Constituents: 0.24% HEPES, 0.88% Sodium chloride, 0.01% BSA, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	ab169873 is prepared from rabbit serum by affinity purification using a column to which the fusion protein immunogen was coupled.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab169873 in the following tested applications.

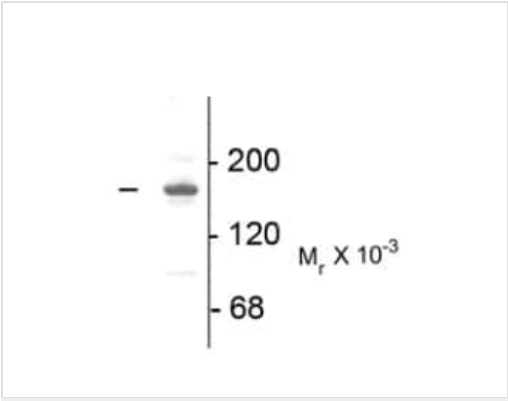
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 165 kDa.
IHC-P		1/1000.
IP		Use at an assay dependent concentration. Recommended dilution: 6 ul per 200 ug lysate.

Target

Function	NMDA receptor subtype of glutamate-gated ion channels possesses high calcium permeability and voltage-dependent sensitivity to magnesium. Activation requires binding of agonist to both types of subunits.
Sequence similarities	Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. NR2A/GRIN2A subfamily.
Cellular localization	Cell membrane. Cell junction > synapse > postsynaptic cell membrane.

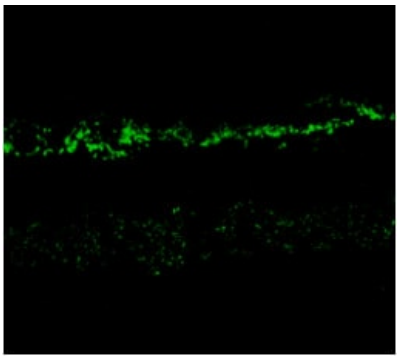
Images



Western blot - Anti-NMDAR2A antibody (ab169873)

Anti-NMDAR2A antibody (ab169873) at 1/1000 dilution + Rat hippocampal lysate at 10 µg

Predicted band size: 165 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NMDAR2A antibody (ab169873)

Immunohistochemical analysis of rabbit retina tissue labeling NMDAR2A with ab169873 at 1/1000 dilution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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